AMENDMENT TO THE SPECIFICATION

Please amend the paragraph at page 10, lines 18-31 as indicated:

In an alternative embodiment it may be sufficient if only a fraction of the sample has entered the reactor. In this case the selection of signal onset is not used for triggering. Instead a certain time is determined empirically, namely the time it takes for the sample to just about reach the reactor after injection into the background flow. This time is then programmed into the control unit and used as a starting point for ~~increaseded~~ increased flow. This time can of course be selected such that different fractions of sample enter the reactor. It should be noted that if only a very minor fraction has entered when ~~increaseded~~ increased flow is initiated, the signal will be low; however, in most cases the entire sample will have reached the reactor by virtue of the void volume of the reactor being substantially larger than the sample volume.